HX Production Limited
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~~ Producer of Plastic Film, Battery, Mobile Tablet, LED Lighting, 3D Material ~~

Material Data Sheet

PET Film/Sheet Product

DESCRIPTION

TTC PET, is a Transparent Clear polyester film with 1-side or both chemcial-treated /UV-treated coating which creates an excellent surface for ink adheson & penetration. Its benefit falls in various printing with UV or conventional PVC ink, PET Solvent based ink.

It's widely used for nameplate, overlay, membrane switches, projector film & release line, insulation barrier for electric plugs, Label & Graphic base, Adhesive tape

A TCC Film is supplied with 2 different types in accordance with your ink application as below:

- **TCC (UY4200) SUPER CLEAR PET (PET & PVC INK & SOLVENT BASED INK)**
  4200 type is tailored for high class printing, metalizing and electro-plating
- **TCC (UY4300) SUPER CLEAR PET (UV-TREATED FOR UV-INK & PET INK)**
- **TCC (UY4400) CLEAR PET (PET INK, PVC INK SOLVENT BASED INK)**

TYPICAL PROPERTY VALUE

Property	Standard Test	Unit	Results
PHYSICAL			
Color/Density	**Transparent Clear**	± 5 %	1.4
Light Transmittion	ASTM - D 1003-61	UY4200/4300	~ 92
		UY4400	~ 90.9
Haze	ASTM - D 1003-61	UY4200/4300	1.2
		UY4400	1.2
MECHANICAL			
Tensile Strength at Break	ASTM -D 638/882	kg/mm^2	18
Tensile Elongation at Break	ASTM -D 638/882	%	90
Friction Coefficient	ASTM -D1894	Static	0.5
THERMAL			
Std. Temperature Resistance	ASTM - D 1525-76	^oC	> 105
Shrinkage at 130dec/30min	ASTM - D 1204	% (min)	1.5-2.5
ELECTRICAL PROPERTIES			
Dielectric Strength	JIS C2151	KV/mm	300KV/mm
Dielectric Constant	JIS C2151	1KHz	3.2
		1MHz	3.0
Dissipation Factor	JIS K6911	1KHz	0.30%
		1MHz	1.20%
Volume Resistivity	JIS C2151	Ω.cm	10^{17}